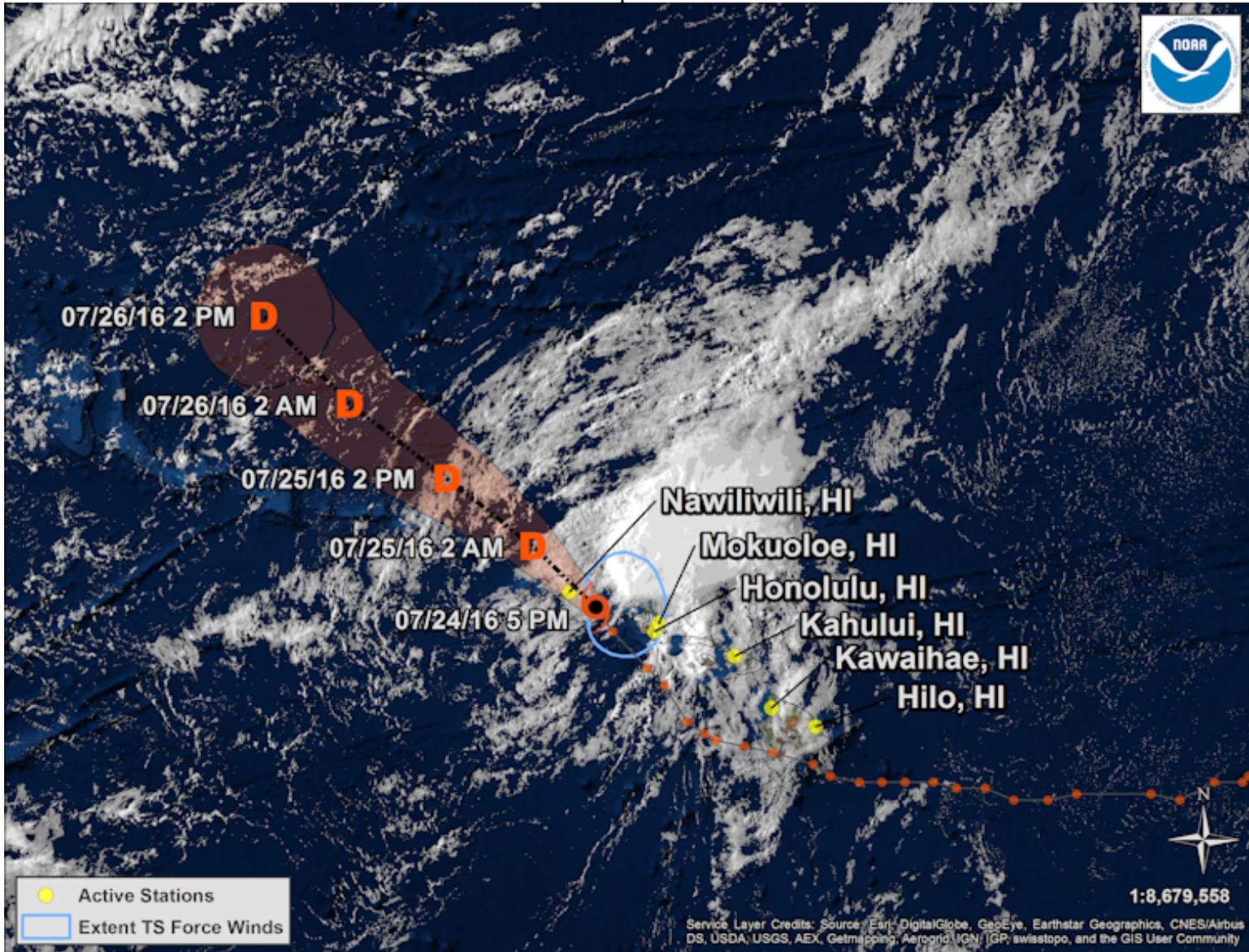


Tropical Storm DARBY QuickLook  
Posted: 18:00 HST 07/24/2016

### NOAA and NOAA Partnership Stations Relative to the Storm



### Storm Analysis

As of 07/24/2016 18:00 HST, water levels across the Hawaiian Islands are slightly elevated or near predicted tide levels. The largest residual at this time is observed at Nawiliwili where water levels are about 0.6 feet above tidal predictions. Winds are generally 15 knots or less across the region. Barometric pressure continues to slowly fall at Nawiliwili but has leveled off or is rising at other locations across the Hawaiian Islands.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: PFF

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SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:TROPICAL STORM  
DARBY ADVISORY NUMBER 54  
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI EP052016  
500 PM HST SUN JUL 24 2016

...DARBY MOVING THROUGH THE KAUAI CHANNEL TOWARD KAUAI...

SUMMARY OF 500 PM HST...0300 UTC...INFORMATION

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LOCATION...21.7N 158.9W  
ABOUT 40 MI...60 KM ESE OF LIHUE HAWAII  
ABOUT 70 MI...115 KM WNW OF HONOLULU HAWAII  
MAXIMUM SUSTAINED WINDS...40 MPH...65 KM/H  
PRESENT MOVEMENT...NW OR 325 DEGREES AT 12 MPH...19 KM/H  
MINIMUM CENTRAL PRESSURE...1011 MB...29.86 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning for Maui County has been discontinued.

The Tropical Storm Watch for the Papahānaumokuākea Marine National Monument has been discontinued.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- \* Oahu
- \* Kauai County, including the islands of Kauai and Niihau

A Tropical Storm Warning means that tropical storm conditions are imminent or already occurring. In this case, Tropical Storm conditions are expected over Oahu and Kauai through tonight.

For storm information specific to your area, please monitor products issued by the National Weather Service office in Honolulu Hawaii.

DISCUSSION AND 48-HOUR OUTLOOK

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At 500 PM HST (0300 UTC), the center of Tropical Storm Darby was located near latitude 21.7 North, longitude 158.9 West. Darby is moving toward the northwest near 12 mph (19 km/h) and this motion is expected to continue over the next 48 hours. On the forecast track, the center of Darby is expected to pass over or near Kauai tonight.

Maximum sustained winds are near 40 mph (65 km/h) with higher gusts. Darby is expected to weaken to a tropical depression tonight and become a post-tropical remnant low in about 2 days.

Tropical-storm-force winds extend outward up to 80 miles (130 km) from the center.

The estimated minimum central pressure is 1011 mb (29.86 inches).

#### HAZARDS AFFECTING LAND

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WIND: Tropical Storm force winds are expected over Oahu and Kauai tonight.

SURF: Swells generated by Darby will impact Kauai and Oahu tonight and diminish on Monday.

RAINFALL: Storm total rainfall of 6 to 10 inches, with isolated amounts of up to 15 inches. These rains could produce life-threatening flash floods and landslides.

#### NEXT ADVISORY

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Next intermediate advisory at 800 PM HST.

Next complete advisory at 1100 PM HST.

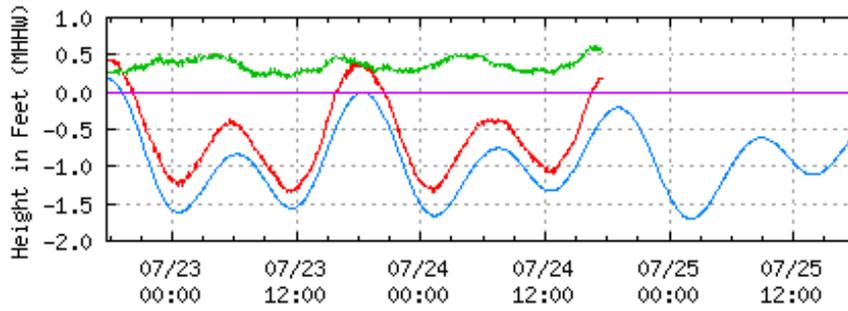
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Forecaster Kodama

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Kahului](#), [Kahului Harbor - Water Level](#), [Kahului](#), [Kahului Harbor - Winds](#), [Kahului](#), [Kahului Harbor - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Hilo](#), [Hilo Bay](#), [Kuhio Bay - Water Level](#), [Hilo](#), [Hilo Bay](#), [Kuhio Bay - Winds](#), [Hilo](#), [Hilo Bay](#), [Kuhio Bay - Barometric](#)

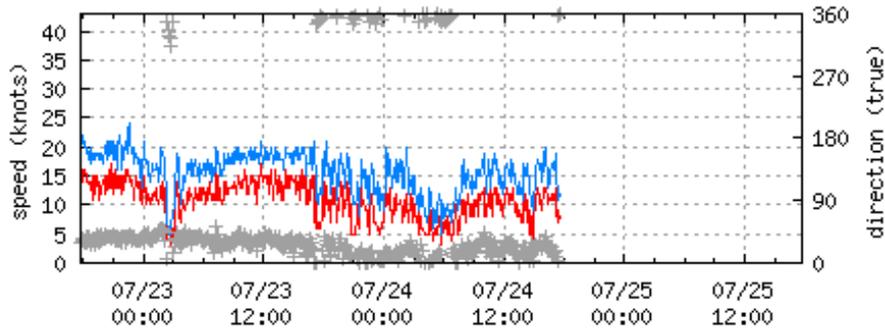
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI  
 Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide ——— (Obs-Pred) ———  
 Observed WL ——— MHHW ———

Last Observed Sample: 07/24/2016 17:30 (HST). Data relative to MHHW  
**Observed: 0.18 ft. Predicted: -0.36 ft. Residual: 0.54 ft.**  
 Historical Maximum Water Level: Sep 11 1992, 3.15 ft.  
 Next High Tide: 07/24/2016 19:05 (HST), -0.21 ft.

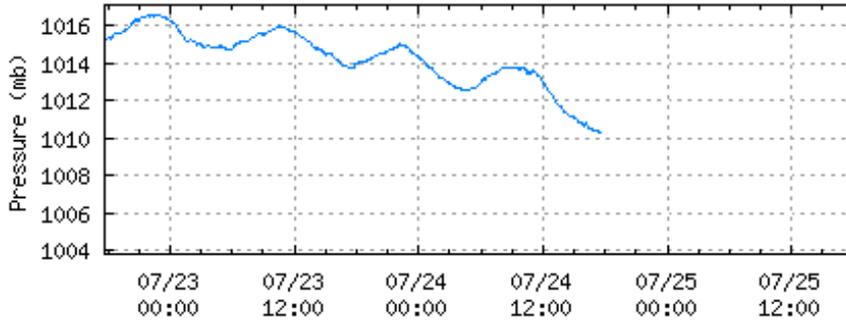
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI  
 Wind Speed / Gusts / Direction



speed ——— gusts ——— direction +

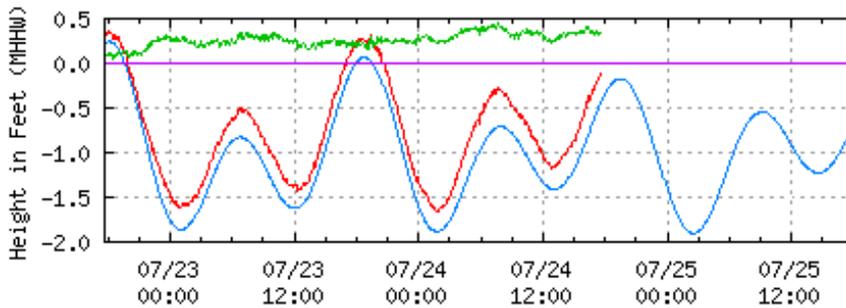
Last Observed Sample: 07/24/2016 17:30 (HST)  
**Wind Speed: 8 knots Gusts: 12 knots Direction: 359° T**

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 17:30 (HST)  
Barometric Pressure: 1010.3 mb

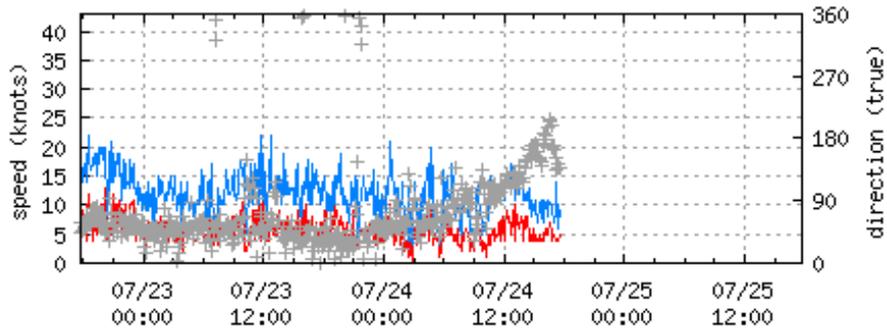
NOAA/NOS/CO-OPS 1612340 Honolulu, HI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

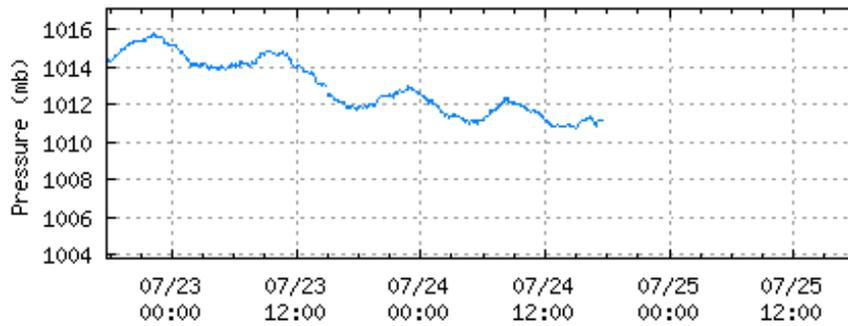
Last Observed Sample: 07/24/2016 17:30 (HST). Data relative to MHHW  
Observed: -0.12 ft. Predicted: -0.46 ft. Residual: 0.34 ft.  
Historical Maximum Water Level: Feb 14 1967, 1.49 ft.  
Next High Tide: 07/24/2016 19:30 (HST), -0.17 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI  
Wind Speed / Gusts / Direction



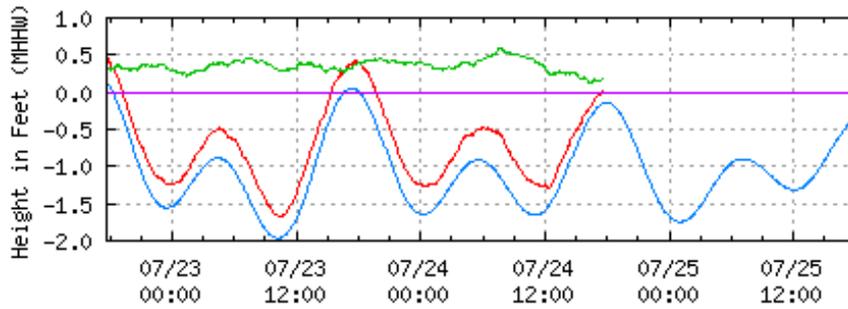
speed — gusts — direction +  
Last Observed Sample: 07/24/2016 17:30 (HST)  
Wind Speed: 5 knots Gusts: 8 knots Direction: 139° T

NOAA/NOS/CO-OPS 1612340 Honolulu, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 17:30 (HST)  
Barometric Pressure: 1011.2 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide ——— (Obs-Pred) ———  
Observed WL ——— MHHW ———

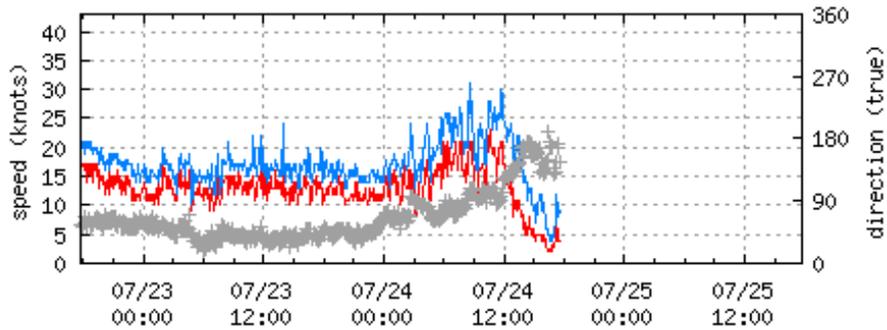
Last Observed Sample: 07/24/2016 17:30 (HST). Data relative to MHHW

Observed: 0.01 ft. Predicted: -0.16 ft. Residual: 0.17 ft.

Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

Next High Tide: 07/24/2016 17:56 (HST), -0.14 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI  
Wind Speed / Gusts / Direction

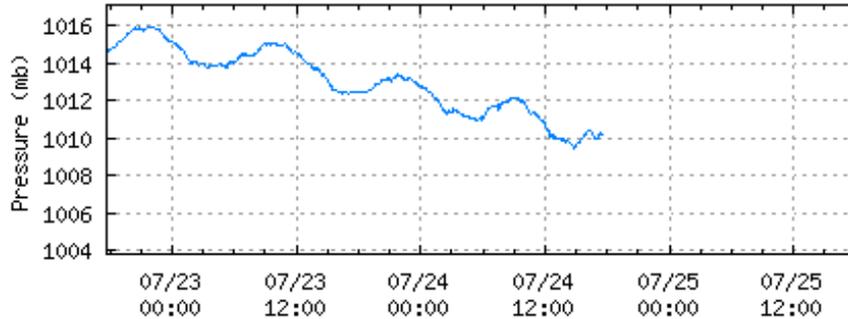


speed ——— gusts ——— direction +

Last Observed Sample: 07/24/2016 17:30 (HST)

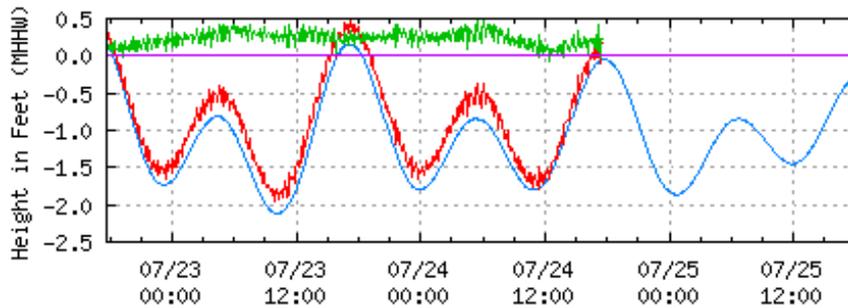
Wind Speed: 4 knots Gusts: 9 knots Direction: 147° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 17:30 (HST)  
Barometric Pressure: 1010.2 mb

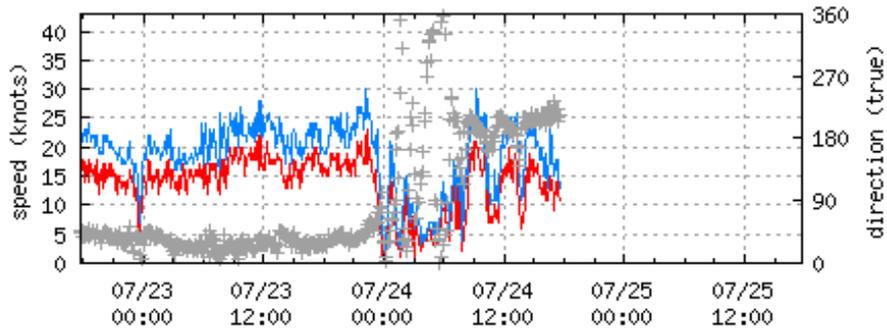
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

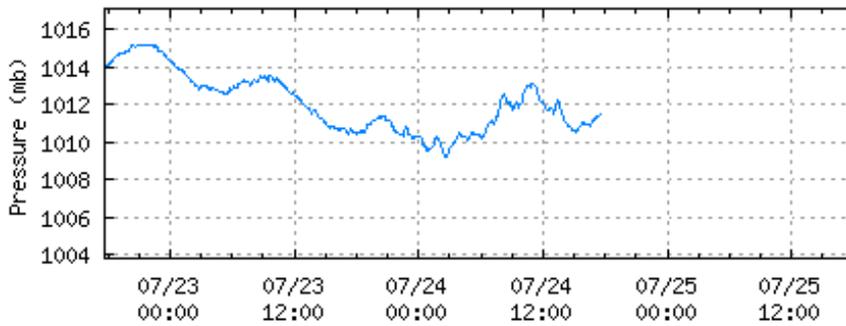
Last Observed Sample: 07/24/2016 17:30 (HST). Data relative to MHHW  
Observed: 0.17 ft. Predicted: -0.05 ft. Residual: 0.22 ft.  
Historical Maximum Water Level: Dec 20 1968, 1.23 ft.  
Next High Tide: 07/24/2016 17:45 (HST), -0.05 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI  
Wind Speed / Gusts / Direction



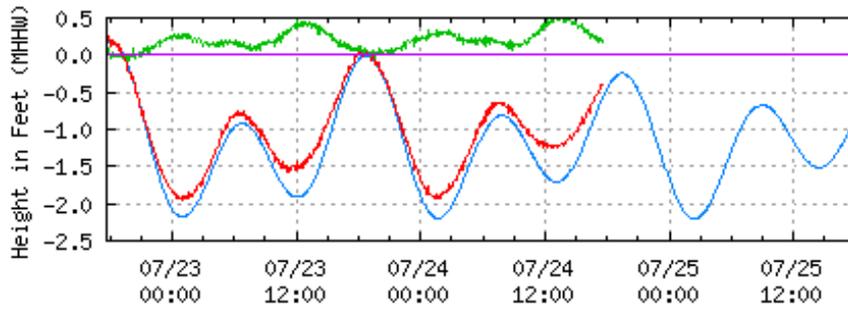
speed — gusts — direction +  
Last Observed Sample: 07/24/2016 17:30 (HST)  
Wind Speed: 11 knots Gusts: 13 knots Direction: 214° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 17:30 (HST)  
Barometric Pressure: 1011.5 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide ——— blue ———  
Observed WL ——— red ———  
(Obs-Pred) ——— green ———  
MHHW ——— purple ———

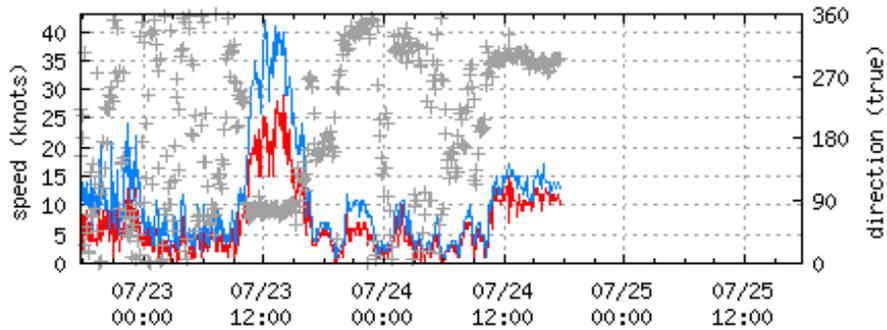
Last Observed Sample: 07/24/2016 17:30 (HST). Data relative to MHHW

Observed: -0.41 ft. Predicted: -0.59 ft. Residual: 0.18 ft.

Historical Maximum Water Level: Dec 13 2008, 1.22 ft.

Next High Tide: 07/24/2016 19:29 (HST), -0.25 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI  
Wind Speed / Gusts / Direction

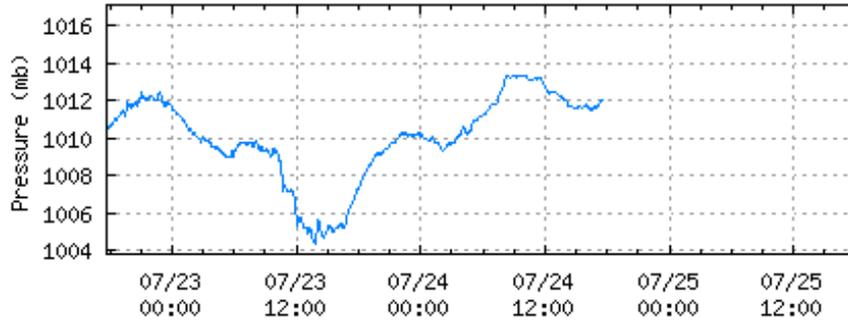


speed ——— red ——— gusts ——— blue ——— direction +

Last Observed Sample: 07/24/2016 17:30 (HST)

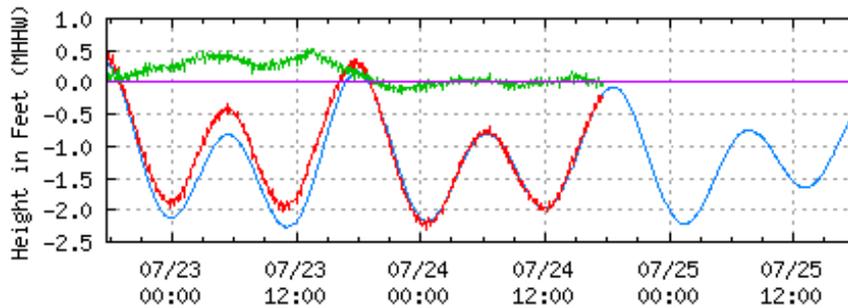
Wind Speed: 10 knots Gusts: 13 knots Direction: 295° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 17:30 (HST)  
Barometric Pressure: 1012.0 mb

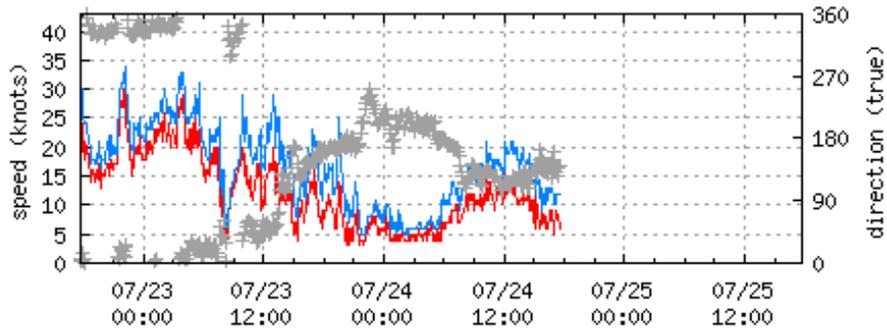
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

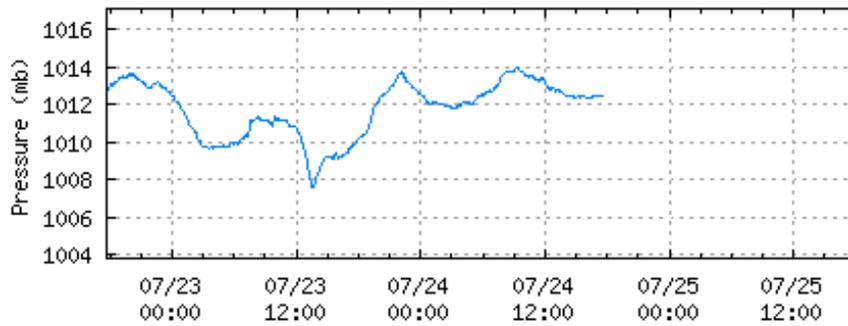
Last Observed Sample: 07/24/2016 17:30 (HST). Data relative to MHHW  
Observed: -0.24 ft. Predicted: -0.20 ft. Residual: -0.04 ft.  
Historical Maximum Water Level: Jan 20 1981, 1.37 ft.  
Next High Tide: 07/24/2016 18:34 (HST), -0.07 ft.

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI  
Wind Speed / Gusts / Direction



speed — gusts — direction +  
Last Observed Sample: 07/24/2016 17:30 (HST)  
Wind Speed: 6 knots Gusts: 12 knots Direction: 141° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 07/24/2016 17:30 (HST)  
Barometric Pressure: 1012.5 mb

Latest Water Level Observations on MHHW

<b>Station ID</b>	<b>Station Name</b>	<b>Date/Time</b>	<b>Observed Water Level</b>	<b>Predicted Tide</b>	<b>Residual Water Level</b>	<b>24 Hour Maximum Storm Tide</b>
1611400	Nawiliwili, HI	07/24/2016 17:30 (HST)	0.18 ft	-0.36 ft	0.54 ft	0.41 ft
1612340	Honolulu, HI	07/24/2016 17:30 (HST)	-0.12 ft	-0.46 ft	0.34 ft	0.31 ft
1612480	Mokuoloe, HI	07/24/2016 17:30 (HST)	0.01 ft	-0.16 ft	0.17 ft	0.42 ft
1615680	Kahului, Kahului Harbor, HI	07/24/2016 17:30 (HST)	0.17 ft	-0.05 ft	0.22 ft	0.41 ft
1617433	Kawaihae, HI	07/24/2016 17:30 (HST)	-0.41 ft	-0.59 ft	0.18 ft	0.08 ft
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	07/24/2016 17:30 (HST)	-0.24 ft	-0.20 ft	-0.04 ft	0.36 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce